

Comparisons of Job Characteristics

Focus Occupation: [Operating Engineers and Other Construction Equipment Operators \(47-2073\)](#)

Associated Occupation: [Maintenance Workers, Machinery \(49-9043\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	21.8	13.4	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	10.8	9.0	<	Expanded education and/or training may be required
Building and Construction	4.0	10.3	15.0	>>	Current knowledge level is likely more than sufficient
Design	5.2	9.2	8.2	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Maintenance Workers, Machinery (49-9043)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Equipment Maintenance	3.5	11.9	6.9	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	11.9	10.0	<	A higher skill level may be required
Repairing	3.4	11.8	6.4	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	11.0	6.6	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	10.6	13.4	>	Skill level is likely sufficient
Quality Control Analysis	5.9	10.0	7.5	<<	Extensive development of skills in this area may be required

Equipment Selection	3.3	8.5	4.9	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 78			
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Maintenance Workers, Machinery (49-9043)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.7	9.6	<	Some improvement in abilities may be required
Visualization	7.5	10.0	7.9	<	Some improvement in abilities may be required
Reaction Time	4.8	8.4	9.7	>	Current ability level is likely sufficient
Static Strength	5.0	8.4	7.1	<	Some improvement in abilities may be required
Extent Flexibility	4.8	7.9	7.2	0	Current ability level may be sufficient
Rate Control	3.8	7.1	8.6	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 70
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Maintenance Workers, Machinery (49-9043)		
Work Activities	Exclusivity of Activity	
Install equipment or attachments on machinery or related structures	48	
Operate crane in construction, manufacturing or repair setting	76	
Operate hoist, winch, or hydraulic boom	34	
Signal directions or warnings to coworkers	42	
Use hand or power tools	2	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 73
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Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)
Associated Occupation: Maintenance Workers, Machinery (49-9043)

Tools and Technologies	Exclusivity
Computers	1
Cutting and crimping and punching tools	3
Forming tools	2
Hearing protectors	12
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Machinery for working wood and stone and ceramic and the like	12
Measuring and layout tools	3
Metal bending and forming machinery	17
Pneumatic tools	8
Power tools	2
Respiratory protection	6
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.